

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Michael R. Krause et al.

Confirmation No.: 4251

Application No.: 09/980,756

Examiner: Unknown

Filing Date: July 9, 2002

Group Art Unit: 2664

Title: QUALITY OF SERVICE IN RELIABLE DATAGRAM

Mail Stop Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- () Response/Amendment () Petition to extend time to respond
() New fee as calculated below () Supplemental Declaration
() No additional fee
(X) Other: SIDS; Form PTO-1449; (17) cited references (fee \$ _____)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$50	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$200	\$ 0
[] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$360	\$ 0
EXTENSION FEE	1ST MONTH \$120.00	2ND MONTH \$450.00	3RD MONTH \$1020.00	4TH MONTH \$1590.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

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Date of Deposit: Feb. 24, 2005

Typed Name: Patrick G. Billig

Signature:

Respectfully submitted,

Michael R. Krause et al.

By

Patrick G. Billig

Attorney/Agent for Applicant(s)
Reg. No. 38,080

Date: Feb. 24, 2005



Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	3
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Complete if Known

Application Number	09/980,756
Filing Date	July 9, 2002
First Named Inventor	Michael Krause et al
Art Unit	2664
Examiner Name	Unknown
Attorney Docket Number	10003627-2

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

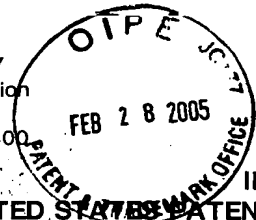
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Signature**

Date
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e)(1) or (2), and
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00 . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

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Number of pages: _____

Typed Name: Patrick G. Billig

Signature: 

Respectfully submitted,

Michael R. Krause et al.

By 

Patrick G. Billig

Attorney/Agent for Applicant(s)
Reg. No. **38,080**

Date: **Feb. 24, 2005**

Telephone No.: **(612) 573-2003**



PTO/SB/08B (08-03)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	09/980,756		
		Filing Date	July 9, 2002		
		First Named Inventor	Michael Krause et al		
		Art Unit	2664		
		Examiner Name	Unknown		
Sheet	2	of	3	Attorney Docket Number	10003627-2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Aguilar, Lorenzo, "Datagram Routing for Internet Multicasting," ACM, Vol. 14, Issue 2, pp. 58-63 (June 1984).	
		Aldrich, John M. et al., "How to Program a Set of Bits?" Google, Google Groups: comp.lang.c++, pp. 1-4 (Oct. 1997). < http://groups-beta.google.com >	
		Armstrong, S. et al., "Multicast Transport Protocol," Network Working Group, Request for Comments: 1301, pp. 1-29 (February 1992). < http://www.faqs.org/rfcs/rfc1301.html >	
		Chang, Jo-Mei et al., "Reliable Broadcast Protocols," ACM Transactions on Computer Systems, Vol. 2, No. 3, pp. 251-273 (August 1984).	
		Cheriton, David R. et al., "Host Groups: A Multicast Extension for Datagram Internetworks," ACM, pp. 172-179 (1985).	
		Crowcroft, J. et al., "A Multicast Transport Protocol," ACM Press, pp. 247-256 (1988).	
		Diot, Christophe, "Reliability in Multicast Services and Protocols; A Survey," International Conference on Local and Metropolitan Communication Systems, 19 pages (Dec. 1994).	
		Fenner, W., "Internet Group Management Protocol, Ver. 2," Network Working Group, Request for Comments: 2236, pp.1-18 (November 1997). < http://www.faqs.org/rfcs/rfc2236.html >	
		Information Sciences Institute, "Transmission Control Protocol," Darpa Internet Program Protocol Specification, pp. 1-68 (Sept. 1981). < http://www.faqs.org/rfcs/rfc793.html >	
		Mockapetris, Paul V., "Analysis of Reliable Multicast Algorithms for Local Networks," ACM, pp. 150-157 (1983).	

Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Paul, Sanjoy et al., "Reliable Multicast Transport Protocol (RMTP)," IEEE Journal on Selected Areas in Communications, Vol. 15, No. 3, pp. 407-421 (April 1997).	

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